



Directional Display Trailer

The National Signal Aro-Lite® traffic controller is a trailer mounted arrow panel with a self-contained solar power electronic charging system. It is designed to provide advanced warning and directional information to assist in diverting and controlling traffic around construction or maintenance activities on or adjacent to the traveled roadway. The Aro-Lite® offers a perfect combination of economy pricing and long lasting quality. The Aro-Lite® exceeds the requirements for such devices as described in parts 6E-7, 8 & 9 of the Federal Highway Administrations Manual on Uniform Traffic Control Devices (MUTCD).

- **High efficiency LED lamps provide long life out put and carry a five year warranty**
- **Low power consumption electronics means longer periods of use between charges.**
- **Control features touch sensitive keys, automotive style fuses with spares, battery indicator with auto shut-off, manual and automatic dimming**

Sequential chevron right or left mode



Seq. stem arrow right or left mode



Single head arrow right or left mode



Single flashing arrow right or left mode



Double flashing arrow mode



Caution rectangular mode



Caution bar mode



Alternating diamond caution mode



Operator Control System

SPECIFICATIONS

Trailer Construction

Width across fenders.....	74"
Length w/draw bar	116"
Length w/o draw bar.....	66"
Height sign up	136"
Height sign down.....	88"
Weight	1000 lbs
Tire size.....	ST205/75-D15 load C
Wheel size	15"
Axle capacity	2000 lbs
Suspension	Leaf spring
Color.....	Orange, other colors optional
Hitch.....	2" ball class II 3500 lb capacity, removable
Chassis.....	C3 x 4.1 structural steel channel
Frame	2"x2"x1/8" steel tubing MIG welded to frame
Deck material.....	1/8" steel tread plate
Fenders.....	Formed steel for strength
Draw bar	3"x 3' x 3/8" wall steel tube, removable
Jacks	(4) slide type plated, (1) swing type
Lighting.....	Stop, turn, and signal, side reflectors, four wire disconnect for towing
Winch.....	1000 lb. with double disc brake system. 1/4" diameter galvanized steel with a test strength of 4400 lb. minimum



Control

Functions 15 lamp.....	8
Functions 25 lamp.....	12
Switches.....	Sealed membrane touch sensitive
Short Circuit	Automotive style blade fuses with spare
Dimming.....	Manual or automatic, 4 levels
Display.....	LED, shows operating mode
Meters.....	Voltage built in with low voltage warning and shut-down

Directional Display

Width	96"
Height.....	48"
Panel Construction	1"x3"x1/8" extruded aluminum channel, 3 internal channels, .063 aluminum front and back panels riveted to the external and internal channels
Front Lamps.....	15 or 25
Rear lamps	3
Lamp type	LED, 590nm, lens cover, blade connectors, reverse polarity protected
Angularity	7° vertical x 15° horizontal.
Photo Sensor.....	Shielded from extraneous light
Lamp Covers.....	360° molded polycarbonate

Batteries and Solar collectors

Batteries.....	6v (wired for 12v), deep cycle, other options available
Solar collector	Crystalline silicon
Solar Collector Frame....	Formed steel, powder coated black, self erecting, universal
Battery enclosure	Lockable, ventilated, acid resistant, non-fade polyethylene

Options

- Wheel locks
- 14" wheels
- Battery charger, 30A, 55A or 75A fanned cooled
- Combo hitch 2" ball & 3" pintle ring, 8" and 18" adj.
- Battery controller

Specifications subject to change at any time without notice.
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